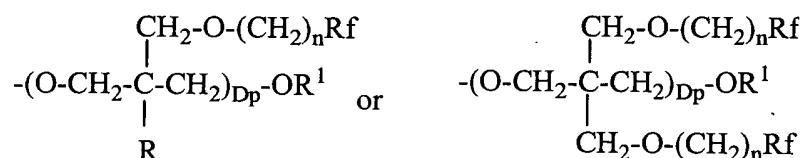


**IN THE CLAIMS:**

Please amend the claims as follows:

1. (Currently Amended) A monohydric polyfluorooxetane oligomer composition, comprising:

a unit, derived from a fluorooxetane monomer, having of the formula



or combinations thereof, where  $\text{OR}^1$   $\text{R}^1$  is derived from a co-initiator solvent monoalcohol, wherein said composition is derived from a solution having less than about 10% by weight of a non-initiator solvent based upon the total weight of said non-initiator solvent and said monoalcohol,

where Dp is from about 2 to about 20, where each n is the same or different and independent is an integer from 1 to about 6, R is hydrogen or an alkyl of 1 to 6 carbon atoms, and each Rf is the same or different and independently on each repeat unit is a linear or branched fluorinated alkyl of 1 to 20 carbon atoms, a minimum of 75 percent of the non-carbon atoms of the alkyl being fluorine atoms and optionally the remaining non-carbon atoms being H, I, Cl, or Br, and

said monohydric polyfluorooxetane oligomer optionally including at least a comonomer unit derived from a monomer containing at least an epoxy (oxirane) functionality, a monomer having a 4-membered cyclic ether group

(oxetane); a monomer having a 5-membered cyclic ether group, 1,4-dioxane, 1,3-dioxane, 1,3-dioxalane, trioxane, or caprolactone; or combinations thereof, in an amount of from about 0.1% to about 10% by weight based upon the total weight of said comonomer and said fluorooxetane monomer, and

said composition having less than about 10% by weight of a cyclic oligomer therein based upon the total weight of said oligomer, and any polymer, or copolymer produced.

2. (Currently Amended) A monohydric polyfluorooxetane oligomer composition according to claim 1, wherein said  $R^1$  is derived from said ~~a~~ co-initiator solvent monoalcohol comprising an organic alcohol, a polymeric alcohol, a tetrafluoroethylene based telomer fluoroalcohol, or combinations thereof, ~~wherein said monoalcohol is a co-initiator solvent,~~ and wherein the amount of any cyclic oligomer is less than about 8% by weight.

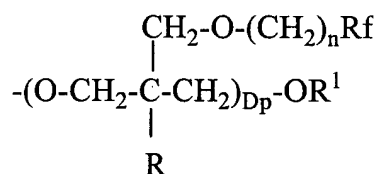
3. (Original) A monohydric polyfluorooxetane oligomer composition according to claim 2, wherein said organic alcohol has from 1 to 40 carbon atoms, wherein said polymeric alcohol contains repeat units derived from an alkylene oxide having from 2 to 6 carbon atoms and the number of repeat groups is from about 3 to about 30, and wherein said tetrafluoroethylene based telomer is  $CF_3CF_2(CF_2CF_2)_xCH_2CH_2OH$  where x is from 1 to about 19,

wherein said Dp is from about 2 to about 10, and

wherein each Rf is the same or different and independently is a linear or branched fluorinated alkyl having from 1 to about 15 carbon atoms, said composition having less than about 5% by weight of cyclic oligomer.

4. (Currently Amended) A monohydric polyfluorooxetane oligomer composition according to claim 3, wherein ~~OR<sup>1</sup>~~ said R<sup>1</sup> is derived from benzyl alcohol, trifluoroethanol, allyl alcohol, heptafluorobutanol, pentafluoropropanol, pentafluorobutanol, nonafluorohexanol, various perfluoroalkylethanol, or combinations thereof, and said composition having less than about 3% by weight of cyclic oligomer.

5. (Currently Amended) A monohydric polyfluorooxetane oligomer composition according to claim 4, wherein said ~~oligomer or polymer~~ unit derived from said fluorooxetane monomer is said



wherein n is 1 to about 3, wherein R is methyl or ethyl, and wherein Rf contains from 1 to about 8 carbon atoms, wherein Rf contains a minimum of 85% of the non-carbon atoms of the alkyl being fluorine atoms, wherein said Dp is from about 2 to about 4, and said composition having less than about 1% by weight of cyclic oligomer.

6. (Currently Amended) A monohydric polyfluorooxetane copolymer composition according to claim 1, including at least ~~a unit derived from a monomer containing at least an epoxy (oxirane) functionality, a monomer having a 4-membered cyclic ether group (oxetane); a monomer having a 5-membered cyclic ether group, 1,4 dioxane, 1,3 dioxane, 1,3 dioxalane, trioxane, or caprolactone; or combinations thereof~~ one of said comonomers.

7. (Currently Amended) A monohydric polyfluorooxetane copolymer composition according to claim 3, including ~~at least a unit derived from a monomer containing an epoxy (oxirane) functionality, a monomer having a 4-membered cyclic ether group (oxetane); a monomer having a 5-membered cyclic ether group, 1,4 dioxane, 1,3 dioxane, 1,3 dioxalane, trioxane, or caprolactone; or combinations thereof~~ said comonomer and wherein said comonomer is tetrahydrofuran.

8. (Currently Amended) A monohydric polyfluorooxetane copolymer composition according to claim 5, including ~~at least a unit derived from a monomer containing an epoxy (oxirane) functionality, a monomer having a 4-membered cyclic ether group (oxetane); a monomer having a 5-membered cyclic ether group, 1,4 dioxane, 1,3 dioxane, 1,3 dioxalane, trioxane, or caprolactone; or combinations thereof~~ said comonomer and wherein said comonomer is tetrahydrofuran.

9. (Currently Amended) A composition according to claim 1, wherein said ~~composition is derived from a solution substantially free of a non-initiator solvent~~ amount of said non-initiator solvent is less than about 5% by weight based upon the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol.

10. (Currently Amended) A composition according to claim 3, wherein said ~~composition is derived from a solution having~~ amount of said non-initiator solvent is less than about 10% 5% by weight of a non-initiator solvent based upon the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol.

11. (Currently Amended) A composition according to claim 5, wherein said ~~composition is derived from a solution having~~ amount of said non-initiator solvent is less than about 3% by weight of a non-initiator solvent based upon the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol.

12. (Currently Amended) A composition according to claim 6, wherein said ~~composition is derived from a solution having~~ amount of said non-initiator solvent is less than about 10% 5% by weight of a non-initiator solvent based

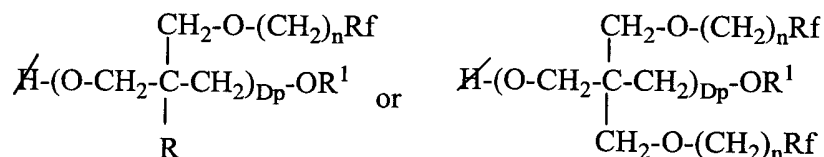
upon the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol.

13. (Currently Amended) A composition according to claim 7, wherein ~~said composition is derived from a solution having~~ amount of said non-initiator solvent is less than about 5% by weight ~~of a non-initiator solvent~~ based upon ~~a~~ the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol.

14. (Currently Amended) A composition according to claim 8, wherein ~~said composition is derived from a solution having~~ amount of said non-initiator solvent is less than about 3% by weight ~~of a non-initiator solvent~~ based upon a total weight of said non-initiator solvent and said co-initiator solvent monoalcohol.

15. (Currently Amended) A monohydric polyfluorooxetane oligomer or polymer composition, comprising:

a unit, an oligomer or polymer derived from a fluorooxetane monomer, having ~~of~~ the formula



or combinations thereof, where  $\text{OR}^1$  R<sup>1</sup> is derived from a co-initiator solvent monoalcohol, wherein said composition is derived from a solution having less than

about 10% by weight of a non-initiator solvent based upon the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol,

where Dp is from 2 to about 150, where each n is the same or different and independent is an integer from 1 to about 6, R is hydrogen or an alkyl of 1 to 6 carbon atoms, and each Rf is the same or different and independently on each repeat unit is a linear or branched fluorinated alkyl of 1 to 20 carbon atoms, a minimum of 75 percent of the non-carbon atoms of the alkyl being fluorine atoms and optionally the remaining non-carbon atoms being H, I, Cl, or Br, and

said oligomer or polymer optionally including at least one comonomer unit derived from a monomer containing at least an epoxy (oxirane) functionality, a monomer having a 4-membered cyclic ether group (oxetane); a monomer having a 5-membered cyclic ether group, 1,4-dioxane, 1,3-dioxane, 1,3-dioxalane, trioxane, or caprolactone; or combinations thereof, in an amount of from about 0.1% to about 10% by weight based upon the total weight of said comonomer and said fluorooxetane monomer.

16. (Currently Amended) A monohydric polyfluorooxetane composition according to claim 15, wherein said R<sup>1</sup> is derived from ~~a~~ said co-initiator solvent monoalcohol comprising an organic alcohol, a polymeric alcohol, a tetrafluoroethylene based telomer fluoroalcohol, or combinations thereof, and wherein said Dp is from 2 to about 50.

17. (Original) A monohydric polyfluorooxetane composition according to claim 16, wherein said organic alcohol has from 1 to 40 carbon atoms, wherein said polymeric alcohol contains repeat units derived from an alkylene oxide having from 2 to 6 carbon atoms wherein the number of said repeat groups is from about 3 to about 30, and wherein said tetrafluoroethylene based telomer is  $\text{CF}_3\text{CF}_2(\text{CF}_2\text{CF}_2)_x \text{CH}_2\text{CH}_2\text{OH}$  where x is from 1 to about 19,

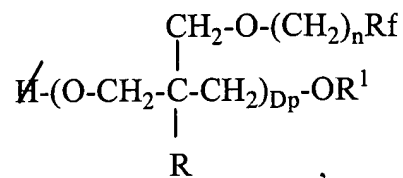
wherein said Dp is from about 2 to about 20, and

wherein each Rf is the same or different and independently is a linear or branched fluorinated alkyl having from 1 to about 15 carbon atoms.

18. (Currently Amended) A monohydric polyfluorooxetane composition according to claim 17, wherein ~~OR<sup>+</sup>~~ said R<sup>1</sup> is derived from benzyl alcohol, trifluoroethanol, ~~ally~~ allyl alcohol, heptafluorobutanol, pentafluoropropanol, pentafluorobutanol, nonafluorohexanol, various perfluoroalkylethanol, or combinations thereof, wherein the amount of said non-initiator solvent is less than about 5% by weight, and including said comonomer.

19. (Currently Amended) A monohydric polyfluorooxetane composition according to claim 18, wherein said oligomer ~~or polymer~~ is said





wherein n is 1 to about 3, wherein R is methyl or ethyl, ~~and~~ wherein Rf contains from 1 to about 8 carbon atoms and has at least 85% of the non-carbon atoms being fluorine atoms, and wherein said comonomer is tetrahydrofuran.

20. (Currently Amended) A monohydric polyfluorooxetane oligomer or polymer composition according to claim 15, wherein said composition contains an amount of a cyclic oligomer which is less than about ~~40~~ 8% by weight based upon the total weight of said polyfluorooxetane oligomer, polymer, or any copolymer produced.

21. (Currently Amended) A monohydric polyfluorooxetane oligomer ~~or polymer~~ composition according to claim 17, wherein said composition contains an amount of a cyclic oligomer which is less than about ~~5~~ 8% by weight based upon the total weight of said polyfluorooxetane oligomer, polymer, or any copolymer produced.

22. (Currently Amended) A monohydric polyfluorooxetane oligomer ~~or polymer~~ composition according to claim 19, wherein said composition contains an amount of a cyclic oligomer which is less than about ~~3~~ 2% or less by weight

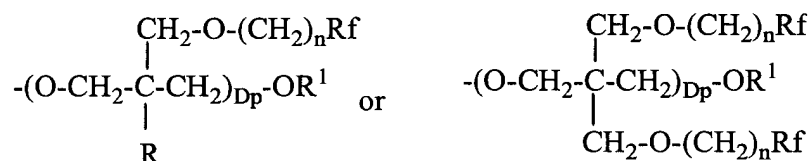
based upon the total weight of said polyfluorooxetane oligomer, polymer, or any copolymer produced.

23 through 74 (Cancelled)

Please add new claims 75 through 78 as follows:

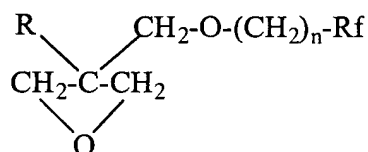
75. (New) A monohydric polyfluorooxetane oligomer composition, comprising:

a unit, derived from a fluorooxetane monomer, having the formula



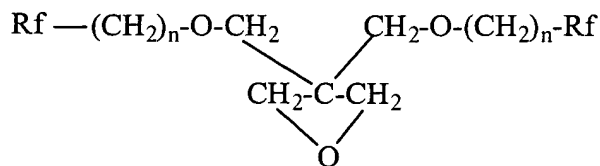
where Dp is from about 2 to about 20, where each n is the same or different and independent is an integer from 1 to about 6, R is hydrogen or an alkyl of 1 to 6 carbon atoms, and each Rf is the same or different and independently on each repeat unit is a linear or branched fluorinated alkyl of 1 to 20 carbon atoms, a minimum of 75% of the non-carbon atoms of the alkyl being fluorine atoms and optionally the remaining non-carbon atoms being H, I, Cl, or Br,

said oligomer made by reacting a fluorooxetane monomer with a co-initiator solvent monoalcohol either free of a non-initiator solvent or in the presence of less than 10% by weight of a non-initiator solvent based upon the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol, said fluorooxetane monomer having the formula



1A

or



1B

where R, Rf, and n are as set forth herein above, and

optionally reacting said fluorooxetane monomer with at least one comonomer of an oxirane, a monomer having a 4-membered cyclic ether group (oxetane), a monomer having a 5-membered cyclic ether group, 1,4-dioxane, 1,3-dioxane, 1,3-dioxalane, trioxane, or caprolactone, or combinations thereof, in an amount of from about 0.1 % to about 10% by weight based upon the total weight of said comonomer and said fluorooxetane monomer.

76. (New) A monohydric polyfluorooxetane oligomer composition according to claim 75, wherein said R<sup>1</sup> is derived from said co-initiator solvent monoalcohol comprising an organic alcohol, a polymeric alcohol, a tetrafluoroethylene based telomere fluoroalcohol, or combinations thereof, and

wherein said amount of said non-initiator solvent is less than about 5% by weight based upon the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol.

77. (New) A monohydric polyfluorooxetane oligomer composition according to claim 76, wherein said organic alcohol has from 1 to 40 carbon atoms, wherein said polymeric alcohol contains repeat units derived from an alkylene oxide having from 2 to 6 carbon atoms and the number of repeat groups is from about 3 to about 30, and wherein said tetrafluoroethylene based telomere is CF<sub>3</sub>CF<sub>2</sub>(CF<sub>2</sub>CF<sub>2</sub>)<sub>x</sub> CH<sub>2</sub>CH<sub>2</sub>OH where x is from 1 to about 19,

wherein said Dp is from about 2 to about 10, and

wherein each Rf is the same or different and independently is a linear or

branched fluorinated alkyl having from 1 to about 15 carbon atoms, and including said comonomer and wherein said comonomer is tetrahydrofuran.

78. (New) A monohydric polyfluorooxetane oligomer composition according to claim 77, wherein said amount of said non-initiator solvent is less than about 3% by weight based upon the total weight of said non-initiator solvent and said co-initiator solvent monoalcohol.